

VME SAS/SATA Hard Disk Drive Module



Phoenix International's VS1-250-SSD 6Gbps Serial Attached SCSI (SAS)/Serial ATA (SATA) based Hard Disk Drive VME blade delivers high capacity, high performance data storage for military, aerospace and industrial applications requiring rugged, secure and durable mass data storage.

This 6U, single-slot module houses one or two each 2.5" SAS or SATA HDDs of up to 5TB per device and can be interfaced through its front panel connector or its P2 connector. The high speed module will sustain R/W data rates exceeding 200MB/sec with an access time of 2.6 msec. The VS1-250-HDD has an operating temperature range from 5° to 55° C. The VS1-250-HDD also complies with current defense department security standards providing multiple levels of secure erase techniques.

The VS1-250-HDDs outstanding performance and versatility is enabled by Phoenix International's state-of-the-art technology which provides very high transfer and I/O rates, enhanced endurance and maximum data integrity.

Features

SAS or SATA HDDs

Sustained data transfer exceeding 200MB/sec

Total capacity to 10TB (2 ea. 5TB HDDs)

Individual point to point device connectivity

Low power consumption

1,400,000 MTBF

Available with 7.2K, 10K, or 15K spindle speed hard disk drives

AES 256 bit encryption

Front panel or P2 connector data interface

60g, 2 ms operational shock

.5g rms, 400Hz random vibration

Made in USA



Rugged VME Hard Disk Drive Module

TECHNICAL SPECIFICATIONS

Physical

Size 160mm x 234mm (Double Eurocard)
4HP (1 Standard Slot)
Construction Double-sided FR4 PCB

Interface

Front panel or P2 connector
6Gbps SAS
SATA 3

Capacity

Unformatted to 10TB (two devices)

Performance

Sustained data transfer rate 200MB/sec
Internal transfer rate 600MB/sec

Power (per device)

Input 5VDC +/- 5%
Idle 2.2 to 4.5W
Operational (avg) 6.3 to 7.9W

Reliability

MTBF 1,400,000 hrs (Telcordia)

Environmental (operating)

Temperature 5° C to 55° C Commercial
Shock 60g half-sine, 2 ms
Vibration .5g rms, 400Hz random
Altitude 10,000 feet
Relative Humidity 5% to 95%, non-condensing

Phoenix International

Phoenix International is an AS 9100 Rev D/ISO 9001:2015 certified, Service Disabled Veteran Owned Small Business (SDVOSB) manufacturer of Rugged COTS data storage products. Phoenix developed state of the art enabling technology provides users with mass storage products that ensure the highest performance storage and data network systems. These systems range in size and application from multi-terabyte Fibre Channel RAID, NAS and Storage Area Network (SAN) configurations to conduction cooled plug-in VME/VPX solid state (flash) storage modules.



VC1-250-SSD Conduction Cooled Version



Phoenix International is AS 9100 Rev D/ISO 9001:2015
Certified

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